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FORM PTO-1449 (REV. 7-80) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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DATE MAILED: May 23, 2002

ATTY. DOCKET NO.	SERIAL NO.
PA113B1C1	10/021,865
APPLICANT: Strich et al.	
FILING DATE: December 17, 2001	GROUP: 2664

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO-PRIATE
	A1	4 4 3 5 8 4 0	03/06/84	Kojima et al.	455	33	
	A2	4 5 4 9 3 1 1	10/22/85	McLaughlin	455	277	
	A3	4 4 8 5 4 8 6	11/27/84	Webb et al.	455	33	
	A4	4 6 5 2 8 8 0	03/24/87	Moeller et al.	342	373	
	A5	4 7 0 4 7 3 4	11/03/87	Menich et al.	455	33	
	A6	4 7 2 6 0 5 0	02/16/88	Menich et al.	379	60	
	A7	4 7 5 0 0 3 6	06/04/88	Martinez	358	147	
	A8	4 9 0 1 3 0 7	02/13/90	Gilhousen et al.	370	18	
	A9	5 0 2 1 8 0 1	06/04/91	Smith et al.	343	876	
	A10	5 0 4 8 1 1 6	09/10/91	Schaeffer	455	33	
	A11	5 1 0 3 4 5 9	04/07/92	Gilhousen et al.	375	1	
	A12	5 1 8 7 8 0 6	02/16/93	Johnson et al.	455	15	
	A13	5 1 9 3 1 0 9	10/25/91	Lee	379	60	
	A14	5 2 3 5 6 1 6	08/10/93	Sebilet	375	1	
	A15	5 2 4 1 6 8 5	08/31/93	Bodin et al.	455	33.2	
	A16	5 2 4 5 6 2 9	09/14/93	Hall	H04k	1/00	
	A17	5 2 6 5 2 6 3	11/23/93	Ramsdale et al.	455	33.2	
	A18	5 3 1 7 5 9 3	05/31/94	Fulghum et al.	375	1	
	A19	5 3 4 3 1 7 3	08/30/94	Baldois et al.	333	126	
	A20	5 4 0 4 5 7 6	04/04/95	Yahagi	455	56.1	
	A21	5 4 2 2 9 0 8	06/06/95	Schilling	375	203	
	A22	5 4 2 8 8 1 8	06/27/95	Meidan et al.	455	33.3	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1	9 2 1 0 0 7 4	06/24/93	PCT	Arraycomm, Incorporated	H04B	7/26
	B2						
	B3						

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OTHER PRIOR ART (*Including Author, Title, Date, Pertinent Page, Etc.*)

	C1		Naguib, Ayman F. et al., "Capacity Improvement with Base-Station Antenna Arrays in Cellular CDMA", IEEE Transactions on Vehicular Technology, Vol. 43, No. 3, August 1994, pgs 691-698.
	C2		Suzuki, Mitsuyoshi et al., "Frequency Re-using Pattern for Forward Link of Orthogonal CDMA Cellular Systems," IEICE Trans. Commun., Vol E77-B, No. 6, June 1994, pgs 838-842.
	C3		Swales, S.C. et al. "A Spectrum Efficient Cellular Base-Station Antenna Architecture", Sixth International Conference on Mobile Radio and Personal Communications, Conference Publication No. 351, pgs 272-279
	C4		Swales, S.C. et al., "Multi-Beam Adaptive Base-Station Antennas for Cellular Land Mobile Radio Systems", 39th IEEE Vehicular Technology Conference, Vol I, May 1-3, 1989 San Francisco, California, pgs 341-348
	C5		"Smart Antenna Module," Northern Telecom Inc., October 5, 1993, 4 pages
	C6		"PCS 1900 Advanced Services Generating Revenue for PCS Providers," Northern Telecom Inc., September 1993, 13 pgs.

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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